

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/03758

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : F23D 14/62, 14/14; F22B 5/00

US CL : 431/354, 329; 122/17.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 431/354, 329, 350, 171, 170, 328, 326; 122/17.1, 13.1; 126/92R, 92AC

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	U.S. 5,520,536 A (RODGERS et al) 28 May, 1996 (28.05.1996), see entire document.	1-14 and 20-26
Y	US 6,036,480 A (HUGHES et al) 14 March 2000 (14.03.2000), see entire document.	1-14 and 20-26
X	U.S. 6,439,171 B1 (MCCALL et al) 27 August 2002 (27.08.2002), see entire document.	15-19 and 27-33
Y		34-45
Y	US 4,793,800 A (VALLETT et al) 27 December 1988 (27.12.1988), see entire document.	34-45
A	US 5,355,841 A (MOORE, JR. et al) 18 October 1994 (18.10.1994), see entire document.	1-45
A	US 5,697,330 A (YETMAN et al) 16 December 1997 (16.12.1997), see entire document.	1-45
A	US 5,915,954 A (RODGERS) 29 June 1999 (29.06.1999), see entire document.	1-45
A	FR 2 651 863 A1 (ROTISOL) 15 March 1991 (15.03.1991), see entire document.	1-45

Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

Date of the actual completion of the international search

10 June 2005 (10.06.2005)

Date of mailing of the international search report

22 JUL 2005

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